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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/754,562	01/04/2001	Karl Heinz Kremer	H10109/JDP	3723

1333	7590	07/25/2007
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EXAMINER	
SINGH, SATWANT K	

ART UNIT	PAPER NUMBER
2625	

MAIL DATE	DELIVERY MODE
07/25/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

09/754,562

Applicant(s)

KREMER ET AL.

Examiner

Satwant K. Singh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 January 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/10/07</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments filed 04, April 2007 with respect to claims 1, 6, 11, and 16 regarding the claim limitation that Hube (US 5,337,161) fails to disclose "**information rendered on the tabs be characters, which are stored in a non-image format**" have been considered but are moot in view of the new ground(s) of rejection.
2. Applicant's arguments filed 04, April 2007 regarding the claim limitation that Hube (US 5,337,161) fails to disclose "**global tab stock data identifying the tab stock to be used for printing all of the selected pages be stored on a plurality-of page basis**" have been fully considered but they are not persuasive. Fig. 9, S3, allows a user to identify specified pages (interpreted as plurality-of-pages) in job programmed for tab stock and Fig. 9, S11 allows a user to retrieve tab images and apply sequentially to tab pages (interpreted as plurality-of-pages) in the job.
3. Prosecution on the merits of this application is reopened on claims 1-19 for the reasons indicated above.

### *Claim Rejections - 35 USC § 103*

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hube (US 5,337,161) in view of Motamed et al. (US 6,549,300).

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6. Regarding Claim 1, Hube teaches a printing system for printing a document (Fig. 1, printing system 2), said printing system comprising: a job preparation station (scanner section 6, controller section 7), including a processor (processor 25), a memory (main memory 56), and a user interface (user interface 52), said job preparation station configured at least to: generate flags stored in the memory for each of a plurality of pages in a document to be printed (pages specified to be programmed as tab stock), the flags being generated in response to first inputs received from the user interface (user can specify pages in the print job to be programmed as tab stock), the first inputs specifying that selected pages in the document include tabs (user can specify pages in the print job to be programmed as tab stock), the flags indicating that the selected pages in the document contain the tabs (pages specified to be programmed as tab stock) (col. 7, lines 5-34), and store, on a plurality-of-page basis, global tab stock data in the memory identifying the tab stock to be used for printing all of the selected pages, the global tab stock data being stored in response to a third input received from the user interface (page tickets are saved) (col. 8, lines 14-28); and a print output module (Fig. 2, printer 8) that receives the flags, specified characters to be rendered on said tabs, and the global tab stock data from the job preparation station and prints the specified characters on the tabs of the specified pages of the identified tab stock (Fig. 9) (printing tab images on the tab pages) (col. 8, lines 14-46).

Hube fails to teach a printing system comprising: storing specified characters for each of the selected pages to be rendered on the tabs, the specified characters for each

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of the selected pages being stored in the memory in a non-image format and being stored in response to second inputs received from the user interface.

Motamed et al teaches a printing system comprising: storing specified characters for each of the selected pages to be rendered on the tabs (templates can be stored in a computer memory) (col. 5, lines 17-23), the specified characters for each of the selected pages being stored in the memory in a non-image format (tab text and tab font size) (col. 7, lines 1-39) and being stored in response to second inputs received from the user interface (Figs. 12-14) (col. 6, lines 56-67, col. 7, lines 1-39).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to use templates containing the non-image parameters for the printing of tabs.

7. Regarding Claim 2, Hube teaches a printing system wherein each of the flags (tab parameters) (col. 7, lines 5-16 and col. 8, lines 15-27) and the specified characters for each of the selected pages (tab image) (col. 8, lines 47-67 and col. 9, lines 1-2) are stored as objects.

8. Regarding Claim 3, Hube teaches a printing system wherein said objects are page objects (page tickets) (col. 8, lines 15-27).

9. Regarding Claim 4, Hube fails to teach a printing system wherein said objects comprise PDF objects.

Motamed et al teaches a printing system wherein said objects comprise PDF objects (PS/PDF file on the Fiery) (col. 6, lines 42-52).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to save the template as a PDF file.

10. Regarding Claim 5, Hube teaches a printing system wherein a tab sheet is created as an additional page to the document (tab stock) (col. 7, lines 9-12).

11. Regarding Claim 6, Hube teaches a printing system for printing a document, said printing system comprising: a job preparation station, including a processor and a memory, said job preparation station generating a flag stored in the memory indicating that a selected page in a document to be printed includes a tab (pages specified to be programmed as tab stock) (col. 7, lines 5-34); a user interface (user interface 52) including an input device for a user to specify the selected page and tab label information to be rendered on said tab and to allow the user to select a specific tab stock to be used for all pages having tabs in the document, the tab label information being entered independent of the specific tab stock, and the selected specific tab stock being stored in the memory on a plurality-of-page basis (tab image) (col. 8, lines 47-67 and col. 9, lines 1-2); and a print output module that receives the flag and the tab label information to be rendered on said tab and prints said tab label information on said tab of the selected page of the specific tab stock (Fig. 9) (printing tab images on the tab pages) (col. 8, lines 14-46).

Hube fails to teach a printing system comprising: wherein the specified characters for each of the selected pages are stored in a non-image.

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Motamed et al teaches a printing system comprising: wherein the specified characters for each of the selected pages are stored in a non-image (tab text and tab font size) (col. 7, lines 1-39).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to use templates containing the non-image parameters for the printing of tabs.

12. Regarding claim 7, Hube teaches a printing system wherein the flag (tab parameters) (col. 7, lines 5-16 and col. 8, lines 15-27) and the tab label information (tab image) (col. 8, lines 47-67 and col. 9, lines 1-2) are stored as objects.

13. Regarding Claim 8, Hube teaches a printing system wherein said objects are page objects (page tickets) (col. 8, lines 15-27).

14. Regarding Claim 9, Hube fails to teach a printing system wherein said objects comprise PDF objects.

Motamed et al teaches a printing system wherein said objects comprise PDF objects (PS/PDF file on the Fiery) (col. 6, lines 42-52).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to save the template as a PDF file.

15. Regarding Claim 10, Hube teaches a printing system wherein a tab sheet is created as an additional page to the document (tab stock) (col. 7, lines 9-12).

16. Regarding Claim 11, Hube teaches a method of printing a document on a printing system including a print output module, said method comprising: generating flags stored

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in a first memory region for each of a plurality of pages in a document to be printed (pages specified to be programmed as tab stock), the flags indicating that selected pages in a document to be printed include tabs (user can specify pages in the print job to be programmed as tab stock) (col. 7, lines 5-34); and storing, on a plurality-of-page basis in a third memory region, global tab stock data identifying tab stock to be used for printing all of the selected pages (page tickets are saved) (col. 8, lines 14-28); and printing the specified characters on the tabs of the selected pages of the specified tab stock, based at least upon the flags, the specified characters for each of the selected pages, and the stored global tab stock data (Fig. 9) (printing tab images on the tab pages) (col. 8, lines 14-46).

Hube fails to teach a method comprising: storing specified characters for each of the selected pages to be rendered on the tabs, the specified characters for each of the selected pages being stored in a second memory region in a non-image format.

Motamed et al teaches a method comprising: storing specified characters for each of the selected pages to be rendered on the tabs (templates can be stored in a computer memory) (col. 5, lines 17-23), the specified characters for each of the selected pages being stored in a second memory region in a non-image format (tab text and tab font size) (col. 7, lines 1-39).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to use templates containing the non-image parameters for the printing of tabs.



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17. Regarding Claim 12, Hube teaches a method wherein each of the flags (tab parameters) (col. 7, lines 5-16 and col. 8, lines 15-27) and the specified characters for each of the selected pages (tab image) (col. 8, lines 47-67 and col. 9, lines 1-2) are stored as objects.

18. Regarding Claim 13, Hube teaches a method wherein each of the flags and the specified characters for each of the selected pages are stored as page objects (page tickets) (col. 8, lines 15-27).

19. Regarding Claim 14, Hube fails to teach a method wherein each of the flags and specified characters for each of the selected pages are stored as PDF objects.

Motamed et al teaches a method wherein each of the flags and specified characters for each of the selected pages are stored as PDF objects (PS/PDF file on the Fiery) (col. 6, lines 42-52).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to save the template as a PDF file.

20. Regarding Claim 15, Hube teaches a method further comprising creating a tab sheet as an additional page to the document (tab stock) (col. 7, lines 9-12).

21. Regarding Claim 16, Hube teaches method for printing a document on a printing system including a print output module, said method comprising: generating a flag indicating that a selected page in a document to be printed contains a tab (pages specified to be programmed as tab stock) (col. 7, lines 5-34); receiving tab label information to be rendered on said tab (Fig. 9, S5, tab extraction parameters) (col. 7,

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lines 5-34); receiving information specifying a specific tab stock to be used for all pages having tabs in the document, the tab label information being received independent of the specific tab stock, and the selected specific tab stock being stored in the memory on a plurality-of-page basis (tab image) (col. 8, lines 47-67 and col. 9, lines 1-2); printing the tab label information on the tab of the selected page of the specific tab stock, based at least upon the flag, the tab label information, and information specifying the specific tab stock (Fig. 9) (printing tab images on the tab pages) (col. 8, lines 14-46).

Hube fails to teach a method wherein the specified characters for each of the selected pages are stored in a memory in a non-image format.

Motamed teaches a method wherein the specified characters for each of the selected pages are stored in a memory in a non-image format (tab text and tab font size) (col. 7, lines 1-39).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to use templates containing the non-image parameters for the printing of tabs.

22. Regarding Claim 17, Hube teaches a method further comprising storing the flag (tab parameters) (col. 7, lines 5-16 and col. 8, lines 15-27) and tab information tab image) (col. 8, lines 47-67 and col. 9, lines 1-2) as objects.

23. Regarding Claim 18, Hube teaches a method wherein said step of storing comprises storing objects arc page objects (page tickets) (col. 8, lines 15-27).

24. Regarding Claim 19, Hube fails to teach a method wherein said step of storing objects as page objects comprises storing objects as PDF objects.

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Motamed et al teaches a method wherein said step of storing objects as page objects comprises storing objects as PDF objects (PS/PDF file on the Fiery) (col. 6, lines 42-52).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the teachings of Hube with the teaching of Motamed to save the template as a PDF file.

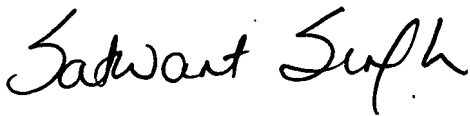
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satwant K. Singh whose telephone number is (571) 272-7468. The examiner can normally be reached on Monday thru Friday 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

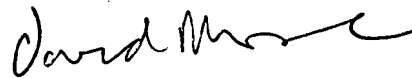
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sks

Satwant K. Singh  
Examiner  
Art Unit 2625



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